



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention

METHOD OF TREATING TISSUE DAMAGE AND APPARATUS FOR SAME

Application Number: 09/026353

Confirmation Number: 1654

First Named Applicant: Louis Argenta

Attorney Docket Number: WH4

Art Unit: 3736

Examiner: John P. Lacyk

Search string: (2280915 or 3042041 or 3324855 or 3753439 or 4527064 or 5261893).pn.

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	2280915	1942-04-28	Johnson				
2	3042041	1962-07-03	Jascalevich				
3	3324855	1967-06-13	Heimlich				
4	3753439	1973-08-21	Brugarolas et al.				
5	4527064	1985-07-02	Anderson				
6	5261893	1993-11-16	Zamierowski				

Remarks

Note: Remarks are not for responding to an office action.

In the event a fee is required the Commissioner is authorized to charge any underpayment or credit any overpayment to the account of the undersigned attorneys, Account No. 04-1406.

Signature

Examiner Name	Date
	3/1/06

INFORMATION DISCLOSURE STATEMENT <small>PTO-109 MAR 15 2004</small>		<i>Complete if known</i>	
		Application Number: 09/026,353	
		Filing Date: February 19, 1998	
		First Named Inventor: Arenta, et al.	
		Group Art Unit: 3736	
Examiner Name: Lacyk, J.			
SHEET 1 OF 1		Attorney Docket Number: 0101-P00636US3	

UNITED STATES PATENT DOCUMENTS				
EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR

FOREIGN PATENT DOCUMENTS					
EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT
<i>sdr</i>		80/01139	WO	06/12/1980	
<i>sdr</i>		87/00439	WO	01/29/1987	

OTHER PRIOR ART - NON-PATENT DOCUMENTS		
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

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EXAMINER'S SIGNATURE	<i>Sdr</i>	DATE CONSIDERED	<i>3/17/04</i>
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**INFORMATION
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U.S. PATENT & TRADEMARK OFFICE
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EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT
<i>Jsh</i>		1,457,164	UK	12/01/1976	

OTHER PRIOR ART - NON-PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

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Group Art Unit: 3736

Examiner Name: Lacyk, J.

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SHEET 1 OF 1

Attorney Docket Number: 0101-P00636US3

UNITED STATES PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR

FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART - NON-PATENT DOCUMENTS

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		Communication from EPO, Summons to Attend Oral Proceedings Pursuant to Rule 71(1) EPC, European Patent No. 06207206, pages, December 08, 2003

EXAMINER'S SIGNATURE

DATE
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**INFORMATION
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SHEET 1 OF 5

Complete if known

Application Number: 09/026,353

Filing Date: February 19, 1998

First Named Inventor: Argenta

Group Art Unit: 3736

Examiner Name: John P. Lacyk

Attorney Docket Number: 0101-P00636US3

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UNITED STATES PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT
<i>John</i>		0820720	Europe	03/18/1998	
<i>John</i>		2195255	GB	04/07/1988	

OTHER PRIOR ART - NON-PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
<i>John</i>		Banwell P, Withey S, Holten I. The use of negative pressure to promote healing [letter; comment]. Brit J Plast Surg 1998;51:79
		Bier A. "Hyperemia by suction apparatus", Hyperemia as a Therapeutic Agent, Chicago, IL, Roberts Publishing; 1905: 74-85.
		Blackburn J H Boemi L, Hall WW, et al. Negative-pressure dressings as a bolster for skin grafts. Ann Plast Surg 1998; 40: 453-7
		Brock WB, Barker DE, Burns RP. Temporary Closure of open abdominal wounds: the vacuum pack. Amer Surg 1995; 61: 30-5.
		Broome A, Hansson L, Lundgren F, Smedberg S. Open Treatment of Abdominal Septic Catastrophies. World J. Surg 1983; 7: 792-6.
		Brummelkamp WH, Taat CW, Slors JF. High-vacuum drainage and primary perineal wound closure in abdominoperineal excision of the rectum. Netherlands Journal of Surgery 1991; 43: 236-9.
		Defranzo, Anthony J., et al., "Vacuum-Assisted Closure for the Treatment of Degloving Injuries ." Plastic and Reconstructive Surgery 104(7) 2145-48: (1999).
<i>John</i>		Fleischmann W, Strecker W, Bombelli M, Kinzl L. [Vacuum sealing as treatment of soft tissue damage in open fractures]. [German] Unfallchirurg 1993; 96: 488-92.

EXAMINER'S SIGNATURE	<i>John</i>	DATE CONSIDERED	3/1/98
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Application Number: 09/026,353

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Group Art Unit: 3736

Examiner Name: John P. Lacyk

Attorney Docket Number: 0101-P00636US3

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TECHNOLOGY CENTER RALEIGH

<i>[Signature]</i>	Genecov DG, Schneider AM, Morykwas MJ, et al. A Controlled subatmospheric pressure dressing increases the rate of skin graft donor site reepithelialization. Ann Plast Surg 1998; 40: 219-25.
<i>[Signature]</i>	Greer SE, Duthie E, Cartolano B, Koehler KM, Maydick-Youngberg D, Longaker MT. Techniques for Applying Subatmospheric Pressure Dressing to Wounds in Difficult Regions of Anatomy. JWOCN 1999; 26: 250-3.
<i>[Signature]</i>	Greer SE, Kasabian A, Thome C, Borud L, Sims CD, Hsu M. The Use of Subatmospheric Pressure Dressing to Salvage a Gustilo Grade IIIB Open Tibia Fracture with Concomitant Osteomyelitis and Avert a Free Flap. Ann Plast Surg 1998; 41: 687.
<i>[Signature]</i>	Greer SE, Longaker MT, Margiotta M, Matthews AJ Kasabian A. The Use of Subatmospheric Pressure Dressing for the Coverage of Radial Forearm Free Flap Donor-Site Exposed Tendon Complications. Ann Plast Surg 1999; 43: 551-554.
<i>[Signature]</i>	Greer SE, Longaker MT, Margiotta M. Preliminary Results from a Multicenter, Randomized, Controlled, Study of the Use of Subatmospheric Pressure Dressing for Pressure Ulcer Healing. Wound Repair and Regeneration 1999; 7: 255.
<i>[Signature]</i>	Greer, Steven E., "Whither Subatmospheric Pressure Dressing?" the Institute of Reconstructive Plastic Surgery, The New York University-Medical-Center, New-York, NY April Issue of Annals of Plastic Surgery. NO DATE
<i>[Signature]</i>	Hartnett, Jacqueline M., "Use of Vacuum-Assisted Wound Closure in Three Chronic Wounds". JWOCN 25 (6) 281-290 (1998).
<i>[Signature]</i>	Hidden Interest -- A Special report; When Physicians Double as Entrepreneurs. The New York times. Page 1. November 30, 1999.
<i>[Signature]</i>	Iankov NI. Simuliatsiya konsolidatsii pereleomov nizhnih cheliusti vaktuumnoi terapii. [Stimulation of consolidation of mandibular fractures by means of vacuum therapy] Russian. Stomatologija 1971; 50: 86, with Eng. Trans.
<i>[Signature]</i>	Inoiatov IM, Aleksandrov VB. Lechenie promezhnostnoi rany posle amputatsii priamoj kishki vakuum-aspiratsiei. [Vacuum aspiration in the treatment of the perineal wound following extirpation of the rectum]. Russian. Khirurgija 1971; 47: 74-8, with English Translation.
<i>[Signature]</i>	Kochnev Va. Primenenie vakuum-drenazhnoi sistemy dlia profilaktiki posleoperatsionnykh ranevykh oslozhnenii u bol'nykh opukholiami. [The use of a vacuum drainage system in the prevention of postoperative wound complications in tumor patients]. Russian. Voprosy Onkologii 1967; 13: 102-5, w/Eng. Trans.
<i>[Signature]</i>	M.J. Morykwas and L.C. Agrenta, "Techniques in Use of V.A.C. Treatment (in English)", Acta Chir. Austriaca Supplement Nr. 150, 1998, p. 3-4.
<i>[Signature]</i>	McCulloch JM, Kemper CC. Vacuum-Compression Therapy for the Treatment of an Ischemic Ulcer. Physical Therapy 1998; 73: 165-9.

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		Meara, John G., et al., "Vacuum-Assisted Closure in the Treatment of Degloving Injuries". Annals of Plastic Surgery 42(6) 589-594 (1999).
		Mendez-Eastman S. Negative pressure wound therapy. Plastic Surgical Nursing 1998; 18: 27-9.
		Mendez-Eastman, Susan., "Use of Hyperbaric Oxygen and Negative Pressure Therapy in the Multidisciplinary Care of a Patient with Nonhealing Wounds". JWOCN 26(2) 67-76 (1999).
		Mendez-Eastman, Susan., "When wounds won't heal". RN 20-24 (1998).
		Mirazimov BM, Vasina TA, Mezhericher MI. Mikroflora dlitel'no nekazhivalushchikh ran i effektivnost' metoda vakuumirovaniia. [Microflora of prolonged non-healing wounds and the effectiveness of the vacuum evaporative method]. Russian. Khirurgiia 1967; 43: 40-3, with English Translation.
		Mirazimov BM. Svobodnaia Kozhnaie plastika stopy s podgotovkoi ranevoi poverkhnosti vakumiravaniem [Free skin graft of the foot with vacuum preparation of the wound surface]. Russian. Orthopediaiia Travmatologiiia i Prtoezirovanie 1966; 27: 19-22, with English Translation.
		Mirazimov BM. Vorbereitung von Wunden und Geschwuren zur Hautplastik unter Anwendung der Vakuumierung [Preparation of wounds and abcesses for dermatoplasty by means of a vacuum device]. German. Beitrage zur Orthopadie und Traumatologie 1967; 14: 224-30, with Eng. Translation.
		Mirazimov, B.M.: <u>Free Skin Grafting of Wounds and Ulcers using the "Vacuum Treatment" Method.</u> [Citation data not given, pp. 54-58.] with English Trans.
		Molnar, Joseph A., et al., "Single-Stage Approach to Skin Grafting the Exposed Skull". Plastic and Reconstructive Surgery 105(1): 174-177 (2000).
		Morykwas J, Argenta LC. Nonsurgical modalities to enhance healing and care of soft tissue wounds. Journal of the Southern Orthopaedic Association 1997; 6: 279-88.
		Morykwas, Michael J., et al., "Use of Subatmospheric Pressure to Prevent Progression of Partial-thikness Burns in a Swine Model". Journal of Burn Care & Rehabilitation 20 (1 Part 1): 15-21 (1999).
		Morykwas, Michael J., et al., "Use of Subatmospheric Pressure to Prevent Doxorubicin Extravasation Ulcers in a Swine Model". Journal of Surgical Oncology 72: 14-17 (1999).
		Mullner T, Mrkonjic L, Kwasny O, Vecsei V. The use of negative pressure to promote the healing of tissue defects: a clinical trial using the vacuum sealing technique (see comments). Brit J Plast Surg 1997; 50: 194-9.
		Nakayama et al., Ann Plast. Surg., 499-502 (1991), "A New dressing Method for Free Skin Grafting in Hands"

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SHEET 4 OF 5

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Group Art Unit: 3736

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	Nakayama Y, Tomotari I, Soeda S. A New Method for the Dressing of Free Skin Grafts. <i>Plast Reconstr Surg</i> 1990; 86: 1216-1219.
	Netudykhata O. Vlianie nizkogo dozirovannogo vakuma na tchenie reparativnogo protsessa v kostnoi tkani [Effect of low vacuum on the course of the reparative process in bone tissue]. Russian. <i>Voprosy Kurortologii, Fizioterapii i Lechebnoi Fizicheskoi Kultury</i> 1972; 37: 411-5, w/Eng. Trans.
	Obdeijn, Miryam C., et al., "Vacuum-Assisted Closure in the Treatment of Poststernotomy Mediastinitis". <i>Ann Thorac Surgery</i> 68 2358-60 (1999).
	Philbeck, Thomas E., et al., "The Clinical and Cost Effectiveness of Externally Applied Negative Pressure Wound Therapy in the Treatment of Wounds in Home Healthcare Medicare Patients". <i>Ostomy/Wound Management</i> 45(11) 41-50 (1999).
	Registration Number 1982349. Owner, KCI Inc., 3440 E. Houston Street San Antonio TEXAS 78219. Source: United States Patent and Trademark Office official website. Filing date 05/01/1995 Registration Date 06/25/1996.
	Rosser, Charles J., et al., "A New Technique to Manage Perineal Wounds". <i>Infections in Urology</i> 13(2) 45-47 (2000).
	Sames CP. Sealing of wounds with vacuum drainage [letter] <i>Br Med J</i> 1977;2: 1123
	Saunders, J. W. <i>The Lancet</i> , pp. 1286-1287, June 28, 1952, "Negative-Pressure Device for Controlled Hypotension during Surgical Operations".
	Schneider, Andrew M., et al., "A New and Reliable Method of Securing Skin Grafts to the Difficult Recipient Bed". <i>Plastic and reconstructive Surgery</i> 102(4) 1195-98 (1998).
	Schein M, Saadia R, Jameson JR, Decker GAG. the "sandwich technique" in the Management of the Open Abdomen. <i>Br J Surg</i> 1986; 73: 369-70.
	Teder H, Sanden G, Svedman P. Continuous Wound Irrigation in the Pig. <i>J Invest Surg</i> 1990, 3: 399-407.
	Valenta AL. Using the vacuum dressing alternative for difficult wounds. <i>American Journal of Nursing</i> 1994; 94: 44-5.
	Vatanasapt V, Areemit S, Jeeravipoolvam P, et al. Red rubber bulb, cheap and effective vacuum drainage. <i>Journal of the Medical Association of Thailand</i> 1989; 72: 193-7.
	Volkov LA. Ispol'zovanie vakuum-drenazhnoi sistemy v khirurgicheskoi praktike. [Use of vacuum-drainage system in surgical practice]. Russian. <i>Klinicheskaiia Khirurgiia</i> . 1973;7: 54-55, with English Translation.
	Smith LA, Barker DE, Chase CW, et al. Vacuum Pack Technique of Temporary Abdominal Closure: A Four-Year Experience. <i>Amer Surg</i> 1997; 63: 1102-8.
	Notice of Opposition to European Patent Number 0688189 dated June 12, 2001

EXAMINER'S SIGNATURE	<i>John P. Lacyk</i>	DATE CONSIDERED	3/1/06
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	Letter Supplemental to Notice of Opposition to European Patent Number 0688189 dated November 12, 2002
	Interlocutory decision in Opposition proceedings in favor of patentee (Wake Forest -- Argenta, et al.) Dated: February 17, 2003
	Opposer's Appeal from Interlocutory decision - Dated: July 4, 2003

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